

FIG. 1

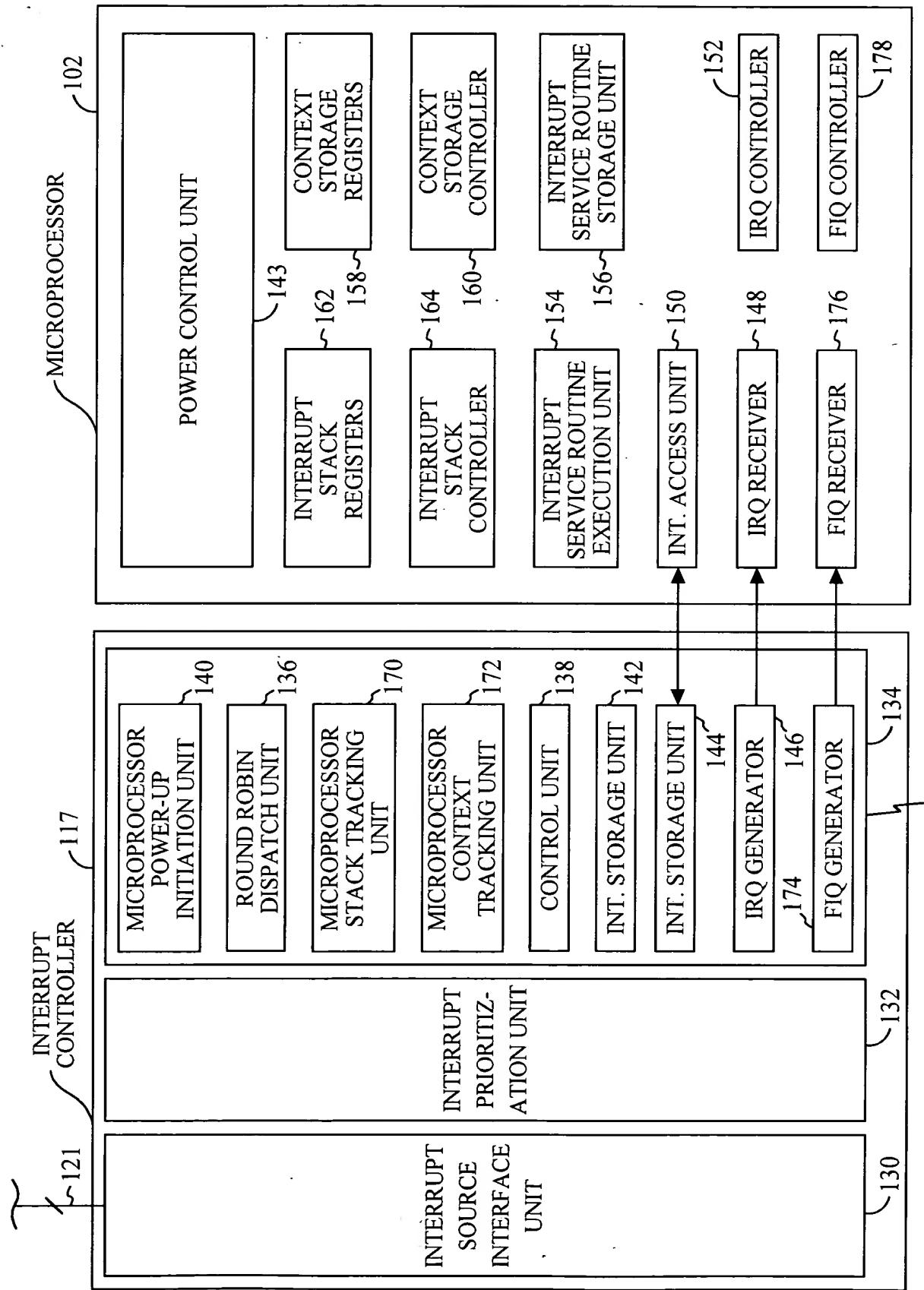


FIG. 2

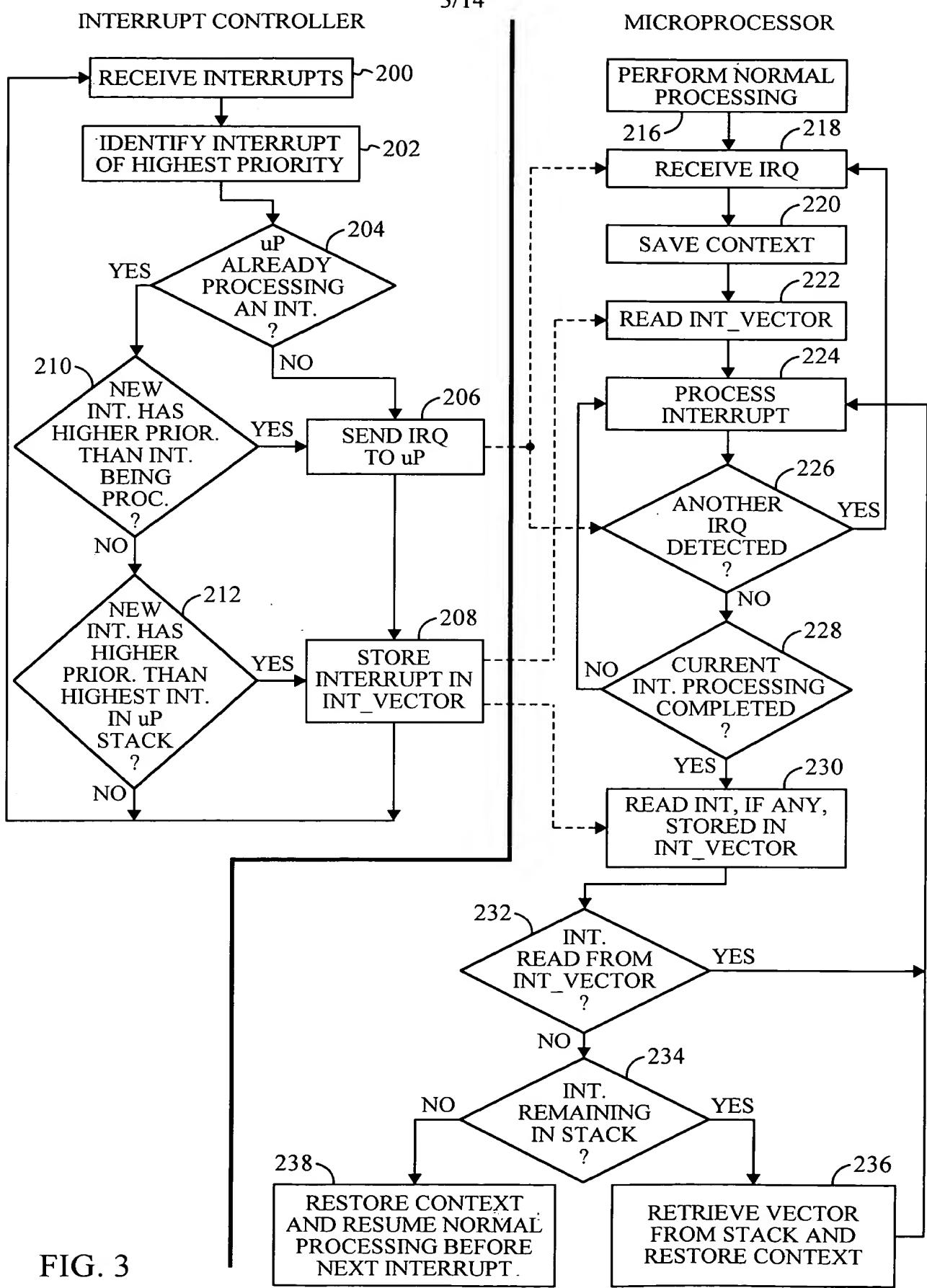


FIG. 3

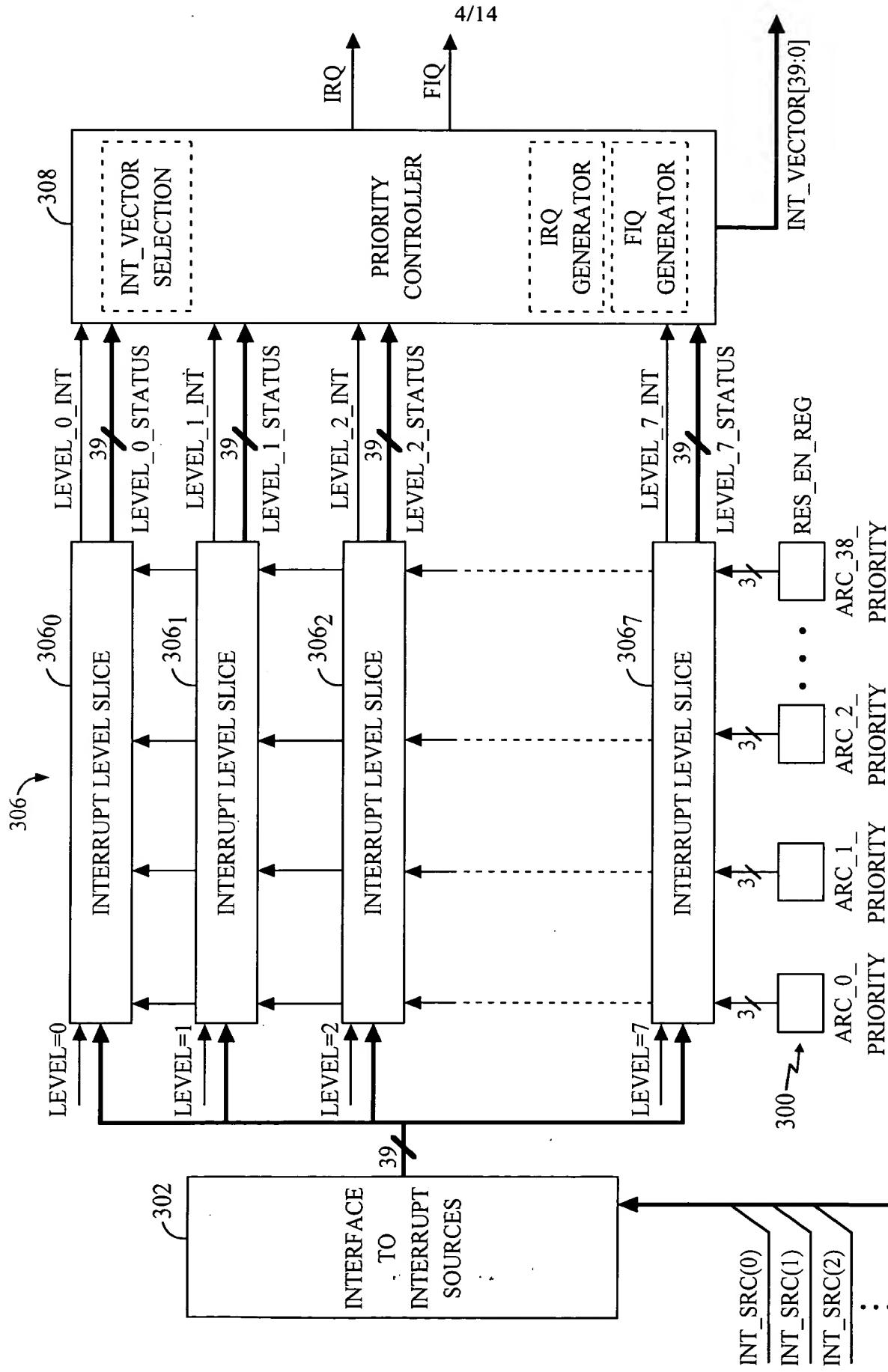


FIG. 4

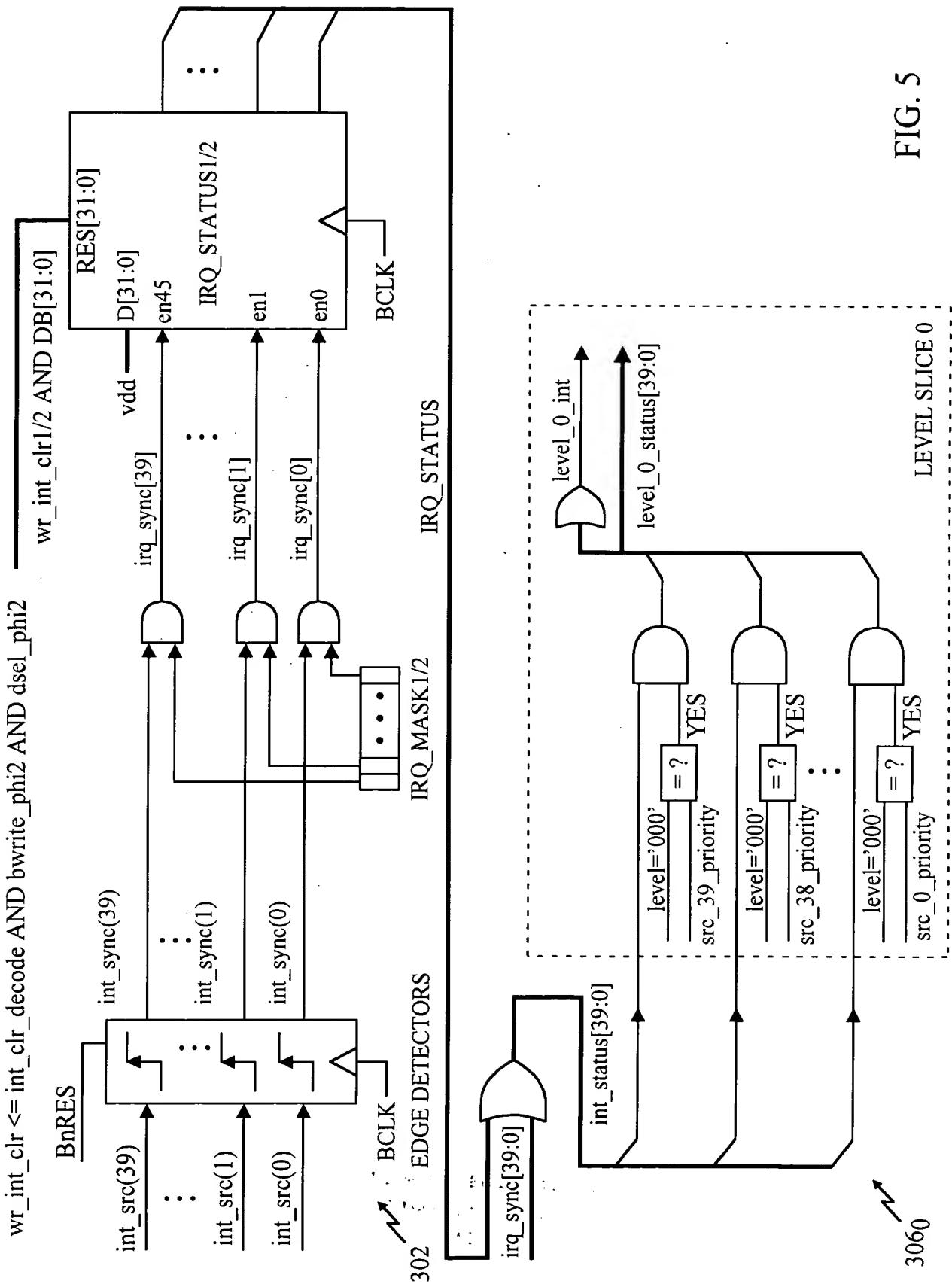
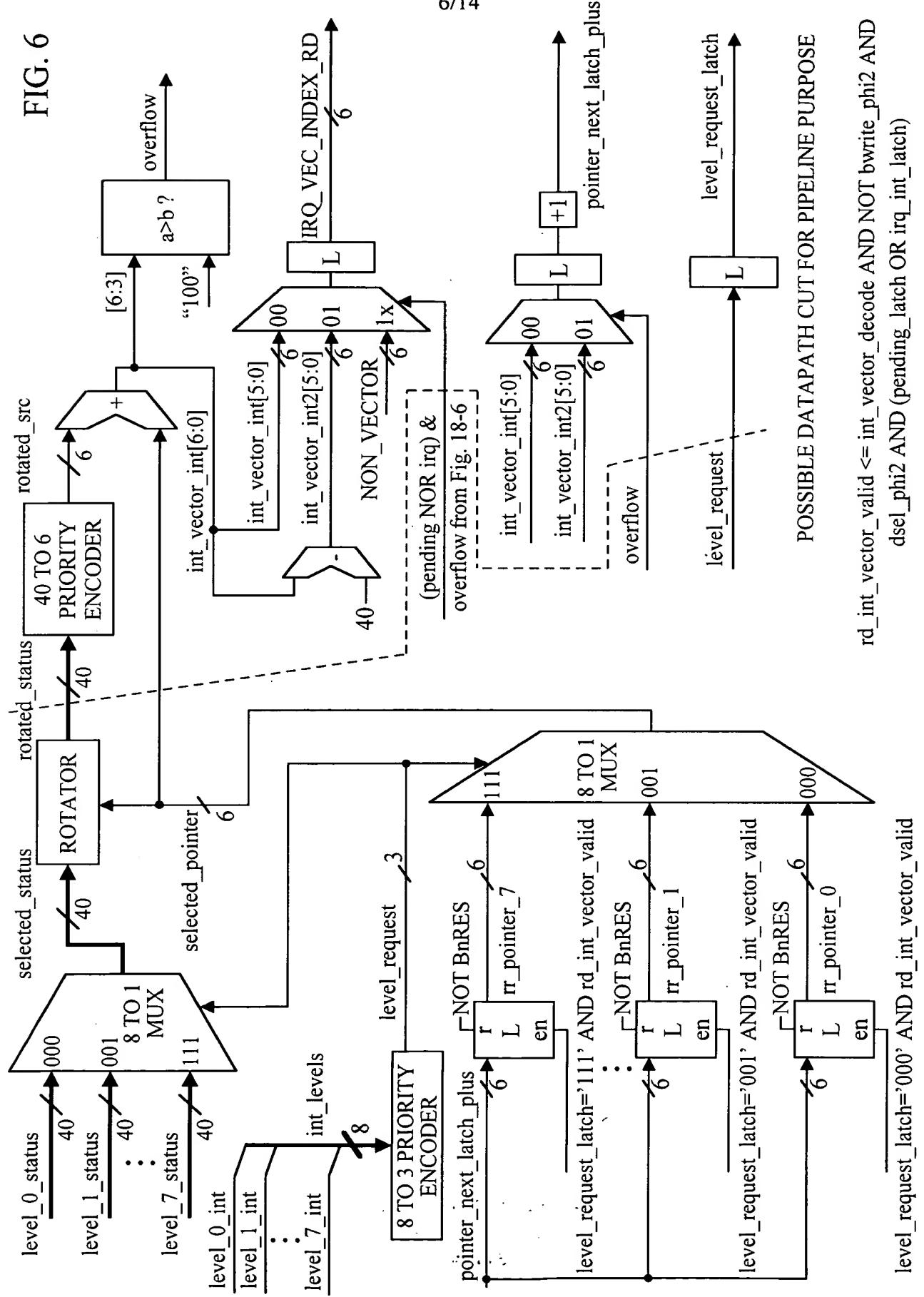


FIG. 6



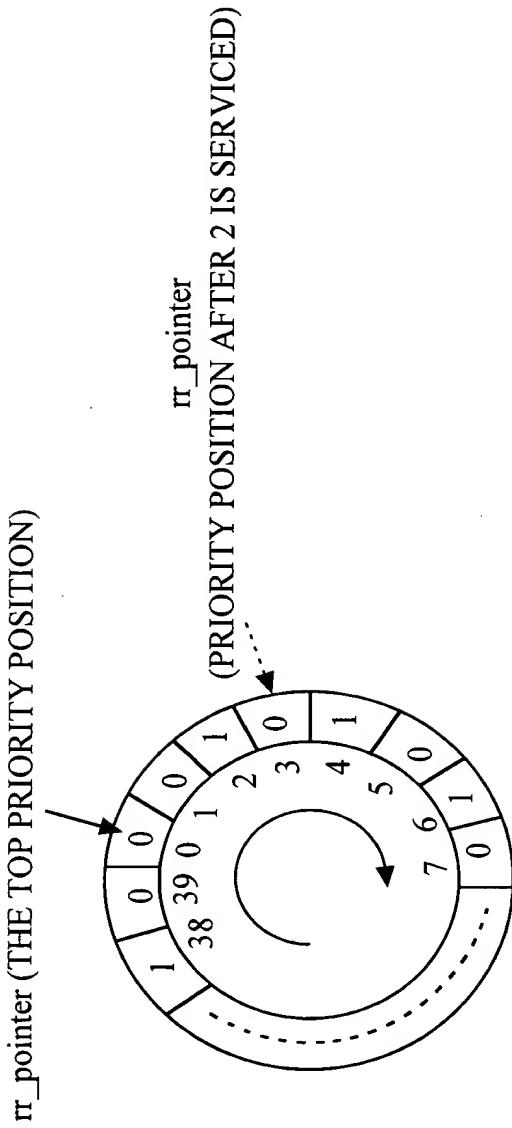


FIG. 7

$(rd_int_vector_phi2)$
 $rd_int_vector \leq int_vector_decode$ AND $dsel_phi2$ NOT $bwrite_phi2$

POSSIBLE DATAPATH CUT
FOR PIPELINE PURPOSE

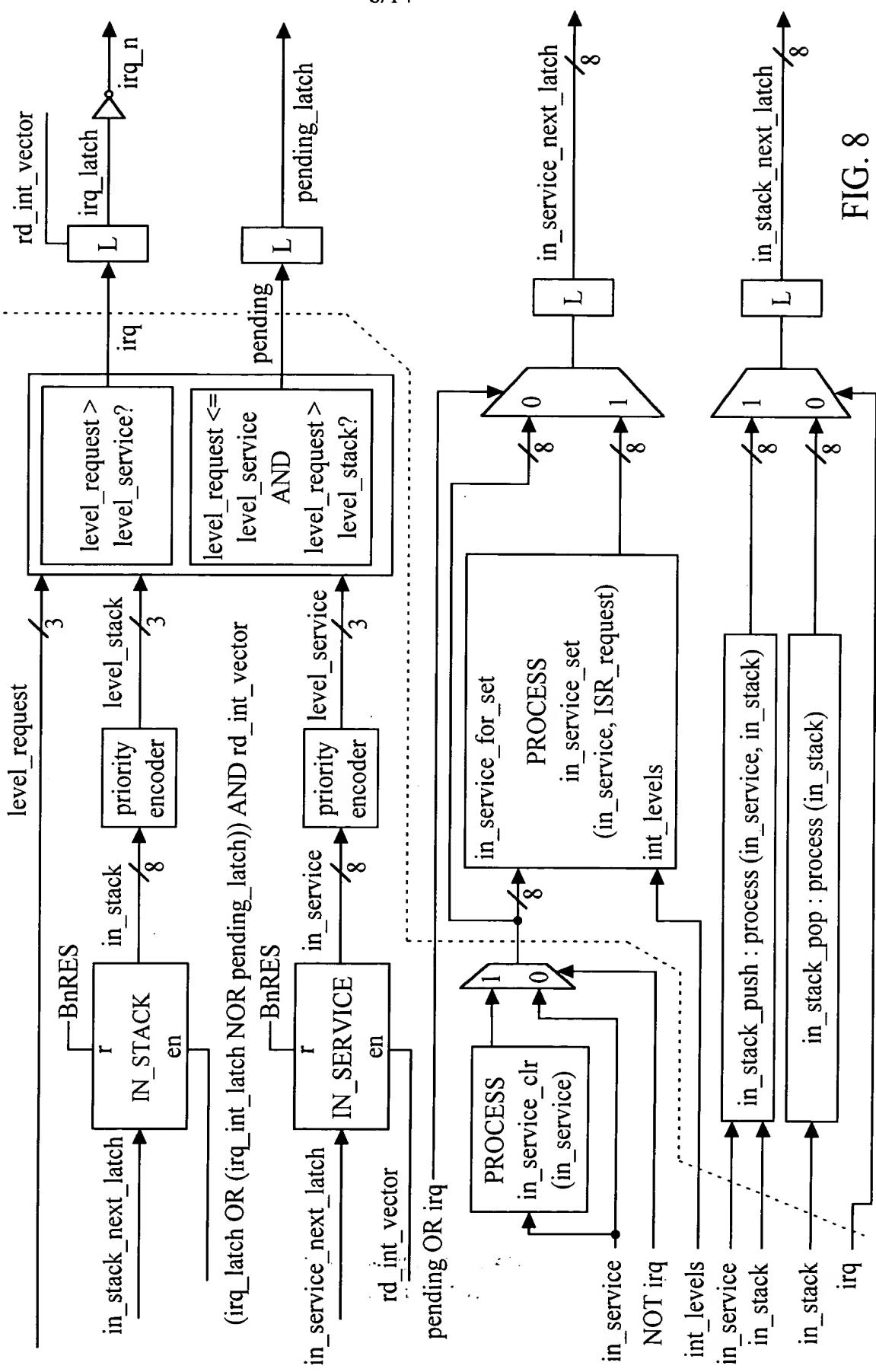


FIG. 8

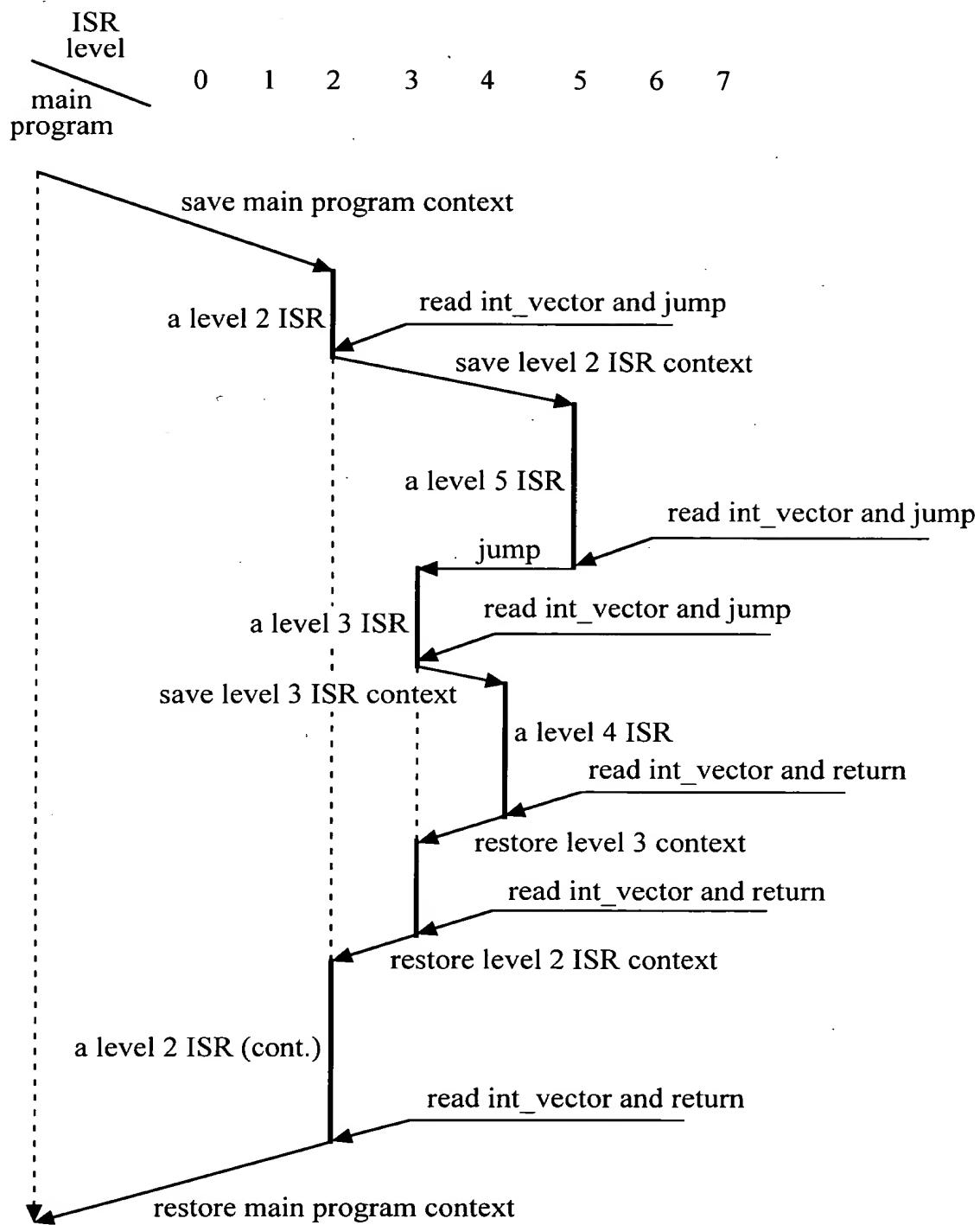


FIG. 9

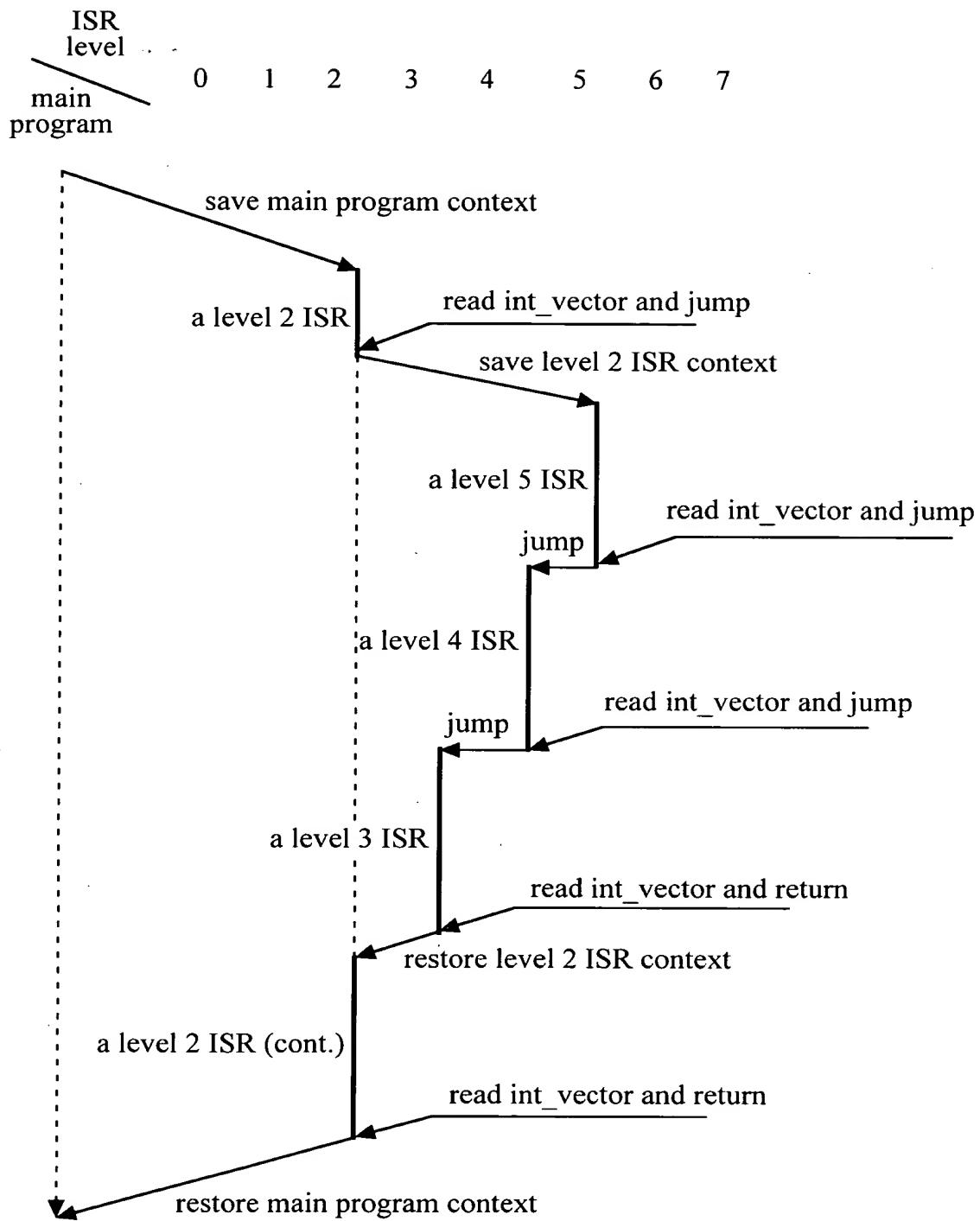


FIG. 10

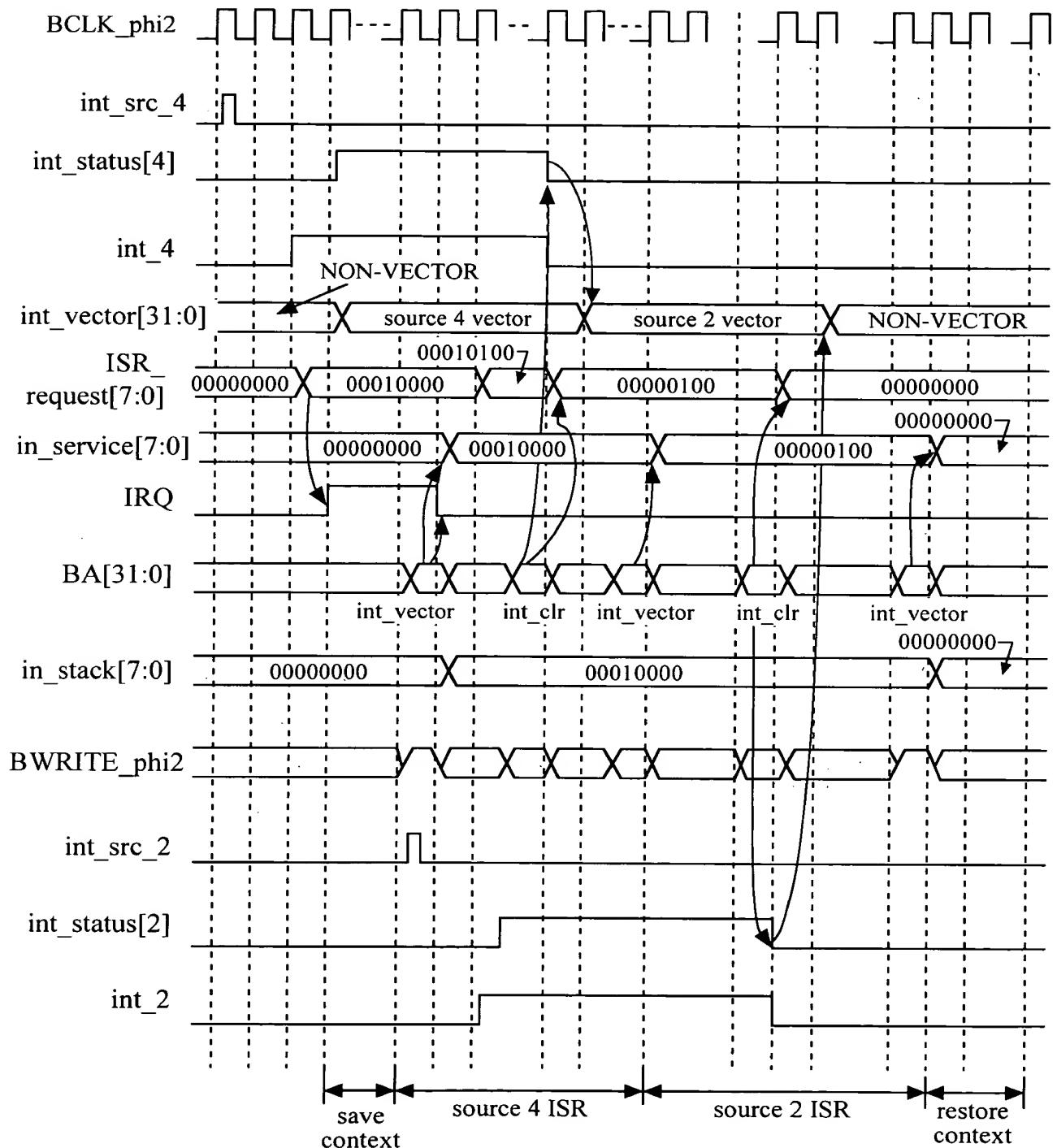


FIG. 11

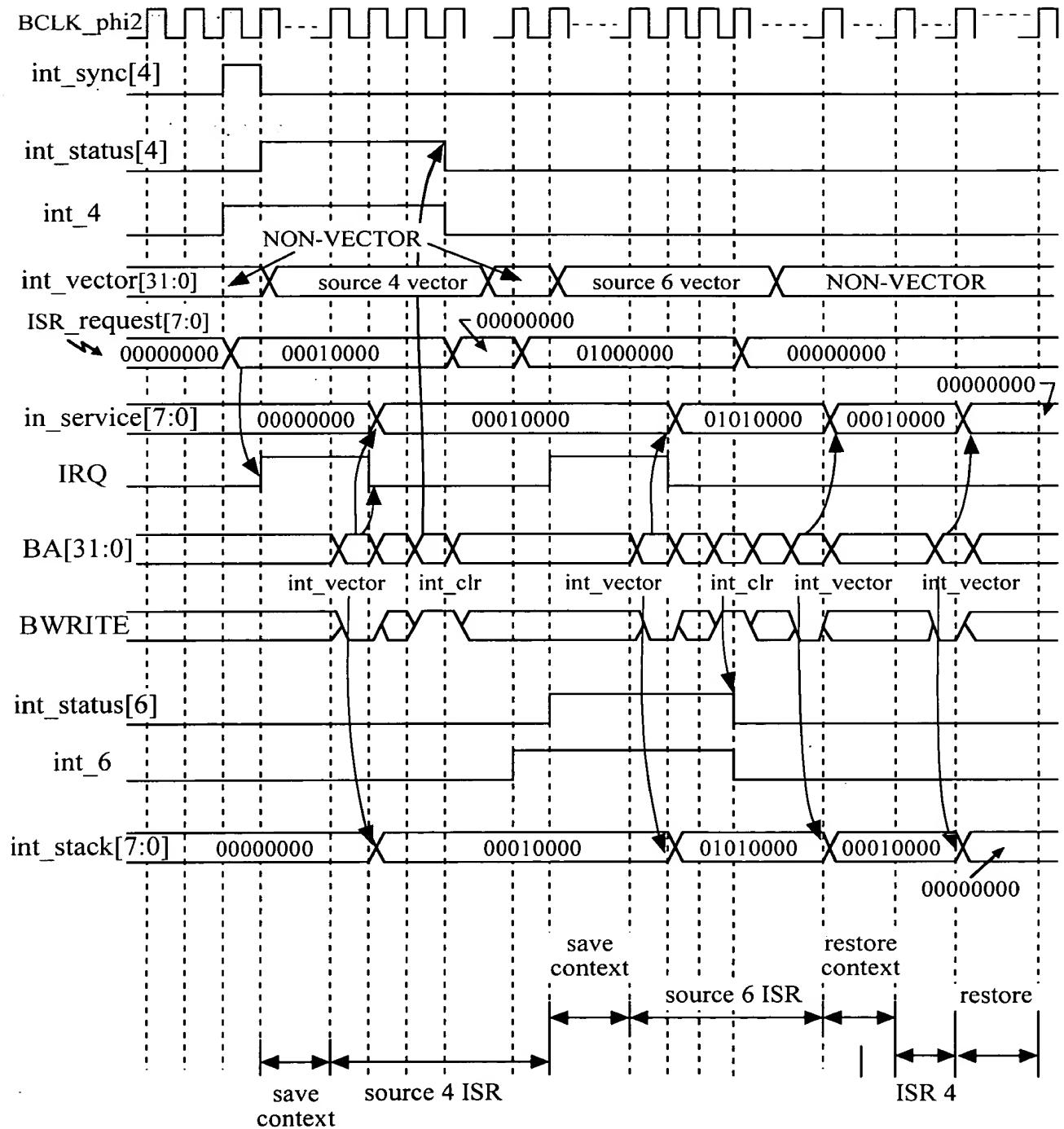


FIG. 12

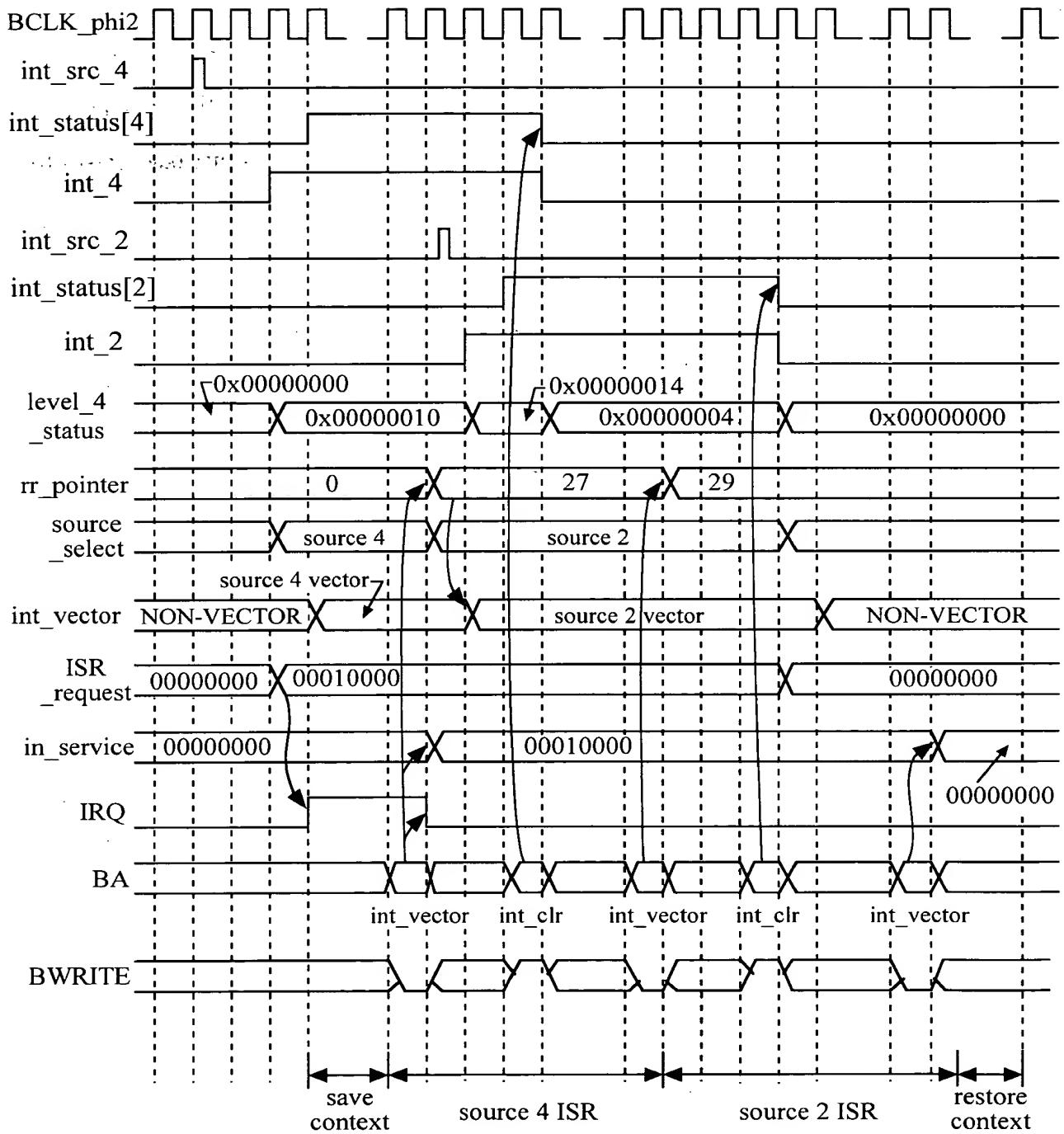


FIG. 13

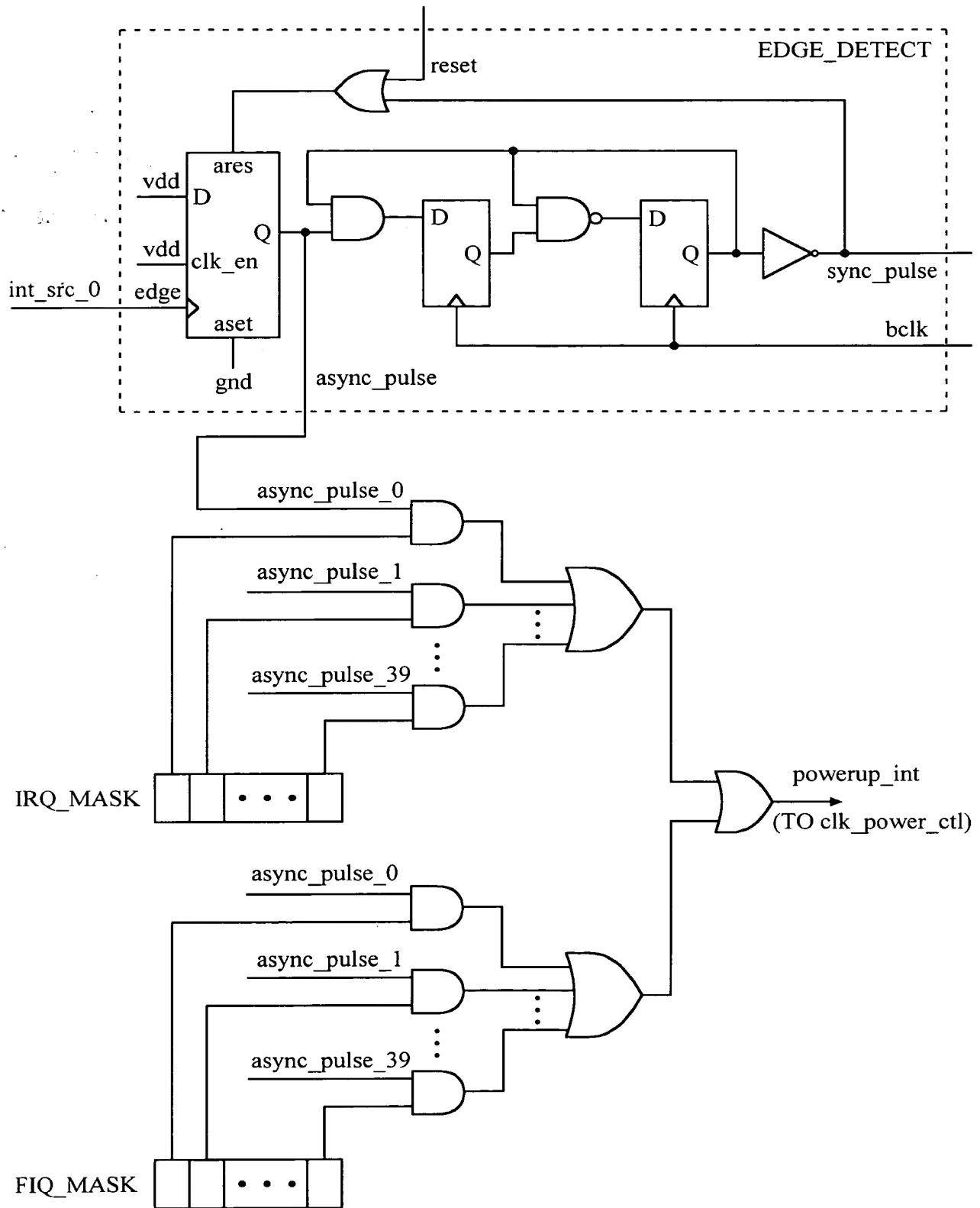


FIG. 14